	ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit) February 2005											
BUDGET ACTIVITY 7 - Operational system development (TRI-TAC) PE NUMBER AND TITLE 0208010A - Joint Tactical Communications Program (TRI-TAC)												
	COST (In Thousands)	FY 2□4 Actual	FY 2□5 Estimate	FY 2□6 Estimate	FY 2□7 Estimate	FY 2□8 Estimate	FY 2□9 Estimate	FY 2□1□ Estimate	FY 2□11 Estimate	Cost to Complete	Total Cost	
	Total Program Element (PE) Cost	15932	17414	249⊑6	598□	1525	914			Continuing	17212	
01D	TACTICAL INTERNET MANAGEMENT SYSTEM	1 7409	17405	24906	5980	1525	914	0	0	Continuing	0	
107	ISYSCON DEVELOPMENT	8523	9	0	0	0	0	0	0	0	17212	

A. Mission Description and Budget Item Justification: The ISYSCON (V)4 Tactical Internet Management System (TIMS) provides network planning and management for the Lower Tactical Internet and Tactical Operations Center (TOC) Local Area Network (LAN). ISYSCON(V)4 will perform network planning, initialization, management, and monitoring of the Tactical Internet for Force XXI Brigade and Below (FBCB2), Army Battle Command System (ABCS) and TOC LANs. The ISYSCON(V)4 is the Army's communication planning and engineering system for current, future, and contingency operations. It will manage LANs, battalion through division, and perform network management functions critical for the ABCS and FBCB2 operations. It will be located at TOCs and Command Posts.

The ISYSCON Development (i.e., ISYSCON(V)1 and (V)2) automated Signal Corps units' capability to manage multiple tactical communications systems in support of battlefield operations. The Integrated System Control (ISYSCON) facility provides centralized management of the tactical communications network, establishes an interface with each technical control facility in the Army Battlefield Command System (ABCS) architecture, and enables automated configuration and management in a dynamic battlefield data network, provided by MSE and the ACUS MOD Programs. ISYSCON was developed with incremental software releases to support blocked requirements in accordance with the ORD. The ISYSCON Program serves as a baseline foundation to support future network management initiatives tied to and part of the digitized division and the Warfighter Information Network (WIN) Architecture.

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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit) BUDGET ACTIVITY 7 - Operational system development PENUMBER AND TITLE 0208010A - Joint Tactical Communications Program (TRI-TAC)

B. Program Change Summary	FY 2 □ 5	FY 2 □6	FY 2 □ 7
Previous President's Budget (FY 2□5)	18177	16719	5877
Current Budget (FY 2□6/2□7 PB)	17414	249□6	598□
Total Adjustments	-763	8187	1 🖂
Net of Program/Database Changes			
Congressional Program Reductions	-265		
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-498		
Adjustments to Budget Years		8187	1 🗆 3

Change Summary Explanation: Funding - FY 6/17 increases to fund ISYSCON(V) requirements.

	ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit) February 2005											
	PE NUMBER AND TITLE PROJECT Operational system development 0208010A - Joint Tactical Communications 01D Program (TRI-TAC)											
	COST (In Thousands)	FY 2□4 Actual	FY 2□5 Estimate	FY 2□6 Estimate	FY 2□7 Estimate	FY 2□8 Estimate	FY 2□9 Estimate	FY 2□1□ Estimate	FY 2□11 Estimate	Cost to Complete	Total Cost	
□D	TACTICAL INTERNET MANAGEMENT SYSTEM	7409	17405	24906	5980	1525	914	0	0	Continuing	0	

A. Mission Description and Budget Item Justification: Army's communication planning and engineering system for current, future, and contingency operations, brigade and below

- Manage Local Area Networks (LANs) devices, battalion through theater
- Performs network device management functions critical for Army Battle Command Systems (ABCS) and Force XX1 Battle Command, Brigade and Below (FBCB2)
- Located at Tactical Operation Centers (TOCs) and Command Posts (CPs)

Accomplishments/Planned Program	FY 2004	FY 2005	FY 2006	FY 2007
Test & Evaluation	556	2200	0	1500
Requirement Analysis, System Engineering, and Software Development ABCS6.4	6853	0	0	0
Requirement Analysis, System Engineering, Software Development "Must Have Beyond Good Enough" Block 5 requirements	0	15205	24906	4480
Totals	7409	17405	24906	5980

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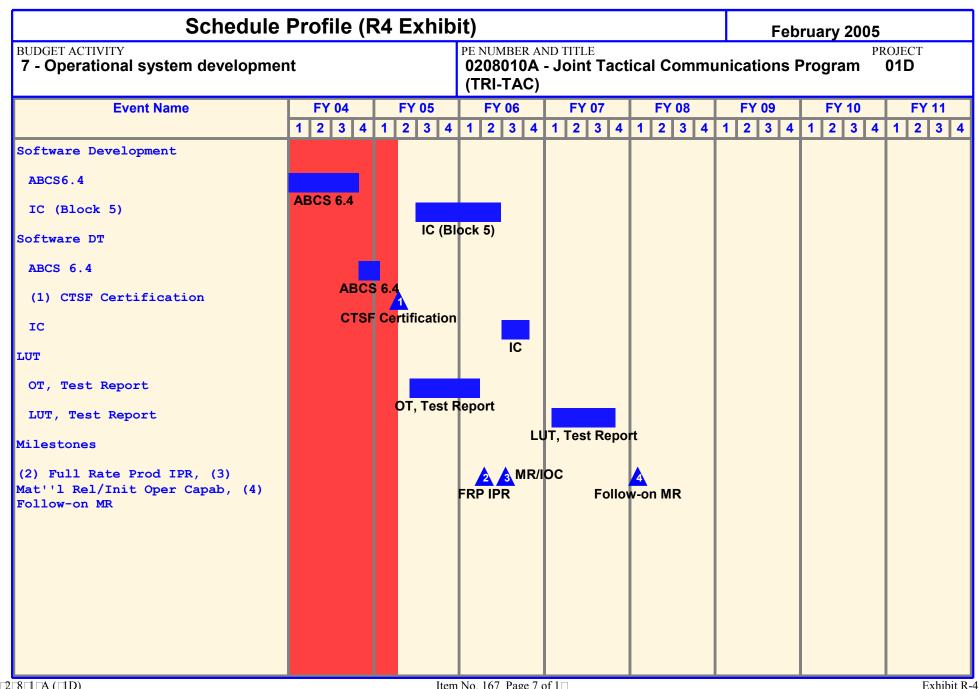
ARMY RDT&E BUDGET I		February 2005											
BUDGET ACTIVITY 7 - Operational system development			02080	BER AND T 10A - Jo am (TRI-	int Tacti	cal Com	PROJECT 01D						
B. Other Program Funding Summary	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost			
B93900 TIMS	12967	11135	16962	11517	9346	3964	0	0	0	65891			

C. Acquisition Strategy: The Tactical Internet Management System (ISYSCON (V)4/TIMS) was developed from Army Warfighter Experiments that showed tactical network management and planning to be extremely time consuming. A DD-2□28 change to the ISYSCON Requirement Operational Capability (ROC) identified the need for Tactical Internet and Tactical Operation Command (TI and TOC) Local Area Network management. An Operational Requirements Document (ORD), superceding the ISYSCON ROC/2□28 Change, was approved in May □2. Milestone C Limited Deployment was approved June 21, 2□1 and amended June 17, 2□2 and June 24, 2□4. Blocks 2 and 4 of the ISYSCON (V)4 ORD requirements have been deployed to 4ID, 1CD and SBCTs 1, 2 & 3. The next ISYSCON (V)4 release will satisfy the Chief of Staff, Army approved ABCS 6.4 "Good Enough" requirements. The ISYSCON(V)4 IOTE will be conducted during 2-3QFY□5. Full Rate Production IPR and Material Release will follow in 2nd and 3rd Qtr FY□6. Beginning in FY□5, the Block 5 Initialization Capability (IC) Key Performance Parameters will be developed as part of the CSA approved ABCS 6.4 "Beyond Good Enough" initiative. The IC Software Development Test is scheduled for 3rd and 4th quarter FY□6. LUT is scheduled to begin in 1Qtr FY□7.

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	ARM'	Y RDT&E CO	ST AN	ALYS	IS(R3)				Feb	ruary 20	005		
BUDGET ACTIVITY 7 - Operational sys	tem devel	opment		PE NUMBER AND TITLE 0208010A - Joint Tactical Communications Program (TRI-TAC)									
. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete		Targe Value Contra	
a . TIMS Software Development and Upgrade	CPIF	NGMS, Carson, CA	8457	12590	2Q	22446	2Q	3205	2Q	Continue	Continue		
Subtotal:			8457	12590		22446		3205		Continue	Continue		
I. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete		Targ Value Contra	
a . TIMS Contractor Engr	MIPR/PWD	Various	464	703	2Q	732	2Q	350	2Q	Continue	Continue		
b . TIMS Government Engr	MIPR	Various	1027	587	2-4Q	616	2-4Q	647	2-4Q	Continue	Continue		
			1491	1290		1348		997		Continue	Continue		

	ARM'	Y RDT&E CO	ST AN	ALYS	IS(R3)				Feb	ruary 20	005	
BUDGET ACTIVITY 7 - Operational sys	tem devel	opment		020	UMBER ANI 18010A - RI-TAC)		ctical Co	mmunio	cations I	Program	PROJEC 01 D	
II. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Complete	Total Cost	Targe Value o Contrac
a.TIMS IOT&E	MIPR	AEC-Various	556	2200	2-3Q	0		0		0	2756	
b . IC Op Eval Block 5)	MIPR	AEC-Various	0	0		0		1500	2-3Q	0	1500	
			556	2200		0		1500		0	4256	(
Subtotal:												
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	Date	Complete	Cost	Value o Contrac
	Method &		PYs Cost 1506	1325	Award	1112	Award	Cost 278	Award	Complete	Cost	Targe Value o Contrac
IV. Management Services	Method & Type	Location	PYs Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value o Contrac
IV. Management Services a . MITRE	Method & Type	Location	PYs Cost 1506	1325	Award Date	1112	Award Date	Cost 278	Award Date	Complete	Cost	Value o Contrac



Schedule Detail	(R4a Exhib	it)					Febru	ary 2005	
BUDGET ACTIVITY 7 - Operational system development PE NUMBER AND TITLE 0208010A - Joint Tactical Communications Program (TRI-TAC)									
Schedule Detail	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
ABCS 6.4 Development Test Completion	4Q								
IOTE		3Q							
Full Rate Prod IPR			2Q						
Materiel Release/ IOC			3Q						
IC Block 5) Contract Award		2Q							
IC Block 5) Developmental Testing			3Q						
IC Block 5) LUT				1Q					
Follow-on MR					1Q				

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit) February 2005											
BUDGET ACTIVITY 7 - Operational system development PE NUMBER AND TITLE 0208010A - Joint Tactical Communications Program (TRI-TAC) PROJECT 107											
COST (In Thousands)	FY 2□4 Actual	FY 2□5 Estimate	FY 2□6 Estimate	FY 2□7 Estimate	FY 2□8 Estimate	FY 2□9 Estimate	FY 2□1□ Estimate	FY 2□11 Estimate	Cost to Complete	Total Cost	
1 1 ISYSCON DEVELOPMENT	8523	!	9 0	0	0	0	0	0	0	17212	

<u>A. Mission Description and Budget Item Justification:</u>- A requirement exists to provide Signal Corps units the automated capability to manage multiple tactical communication systems in support of dynamic battlefield operations.

- The Integrated System Control (ISYSCON) facility provides automated tools for the Signal Staff to plan, install, operate and maintain communications networks.
- ISYSCON is following the Evolutionary Acquisition Strategy; software improvements/enhancements are being developed and fielded through incremental software releases.
- The ISYSCON program serves as a baseline foundation to support future network management initiatives tied to and part of the digitized division and the Warfighter Information Network (WIN) architecture.
- The ISYSCON V1/V2 program ends with FY □ 4 funding.
- The ISYSCON (V)4 Tactical Internet Management System (TIMS) funding transitioned to a new Project, $\Box D$, within PE $2 \Box 8 \Box \Box A$ in FY $\Box 3$.

Accomplishments/Planned Program	FY 2004	FY 2005	FY 2006	FY 2007
Block 3 Development IP2 Increment 2.1)	8523	9	0	0
Totals	8523	9	0	0

BUDGET ACTIVITY 7 - Operational system development		02080 ⁻	BER AND T 10A - Jo am (TRI-	int Tacti	nmunica	February 2005 PROJECT nications 107				
B. Other Program Funding Summary	FY 2004	4 FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cos
BX0007 ISYSCON	21368	0	0	0	0	0	C	0 0	0	21368
028010/01D Tactical Internet Management System	7535			Ū					0	58265
Tactical Internet Management System (TIMS) - See	1D Exhibit R-2	A in FY□3	and beyond	L.						